



## RUST CONVERTER

**RUST CONVERTER** converts the rust formed from the oxidation of steel and iron into a paintable anti-corrosion layer. The cured coating is impermeable, tough and durable, preventing further corrosion. When dry, the dark grey coating acts as an effective primer for coloured top-coat application.

### FEATURES

- No need for sand blasting
- Totally free of lead and chromates
- No chlorinated solvents
- Can be finished with Galva Colour as top coat
- Water based
- Fast acting: results visible in <5 minutes
- Cured coating is an excellent anti-corrosion barrier

### APPLICATIONS

- Suitable for use throughout the industry on:
  - Mechanical handling equipment
  - Rolling stock
  - Agricultural equipment
  - Steel construction
  - Ship repair
  - Surface treatment
  - Corrosion protection of all ferrous materials

### • Rust Converter acts in three ways:

#### **1. Inactivates existing rust:**

The unstable ferric hydroxide, formed at the start of the corrosion process of iron, is transformed into an inert complex, halting the corrosion process immediately.

#### **2. Formation of a passivating protective coating:**

The formed complexes combine with the unique resin in Rust Converter creating a non-permeable coating, providing anti-corrosion protection.

#### **3. Function as a primer:**

The cured dark grey, protective coating has an ideal structure and composition to act as a primer for future cosmetic over-painting.

### DIRECTIONS

- Stir or mix product before use
- Stir frequently during application
- Use only with adequate ventilation
- Apply an even coat with a standard paint brush within a temperature range of 15 to 25°C. (dispose of brush, do not re-use)
- Allow Rust Converter to work – results will be visible in >5 minutes

- Rust conversion at room temperature is approximately 30 minutes
- Rust Converter will cure to a dry, dark grey finish – time dependent on application and rust
- Leave for 24 hours before over-painting

#### **TECHNICAL DATA**

Appearance	: Viscous Liquid
Colour	: Blue-green
Odour	: Odourless
Density	: 1.2 g/cm <sup>3</sup> (@ 20°C)
pH	: 2.5-3.5
Flash Point	: None
Rust Conversion Active Product	: 30 minutes
Handling - Dry Time	: 1 hour
Operational Temperature (Cured)	: Maximum 60°C
Typical Coat Weight	: 20 µm
Coverage Per Litre	: 7m <sup>2</sup> /litre
Adhesion On Steel Dry Coating	: 0 GT
Salt Spray Resistance (ASTM B 117)	: 340 Hours at film thickness of 25 µm
Flexibility (Mandrel Test)	: Pass : 7mm
Packaging	: 6 x 750ml

#### **STORAGE**

- Do not store below 5 °C
- Do not mix with other products
- Shelf life is not less than 24 months with correct storage

#### **HEALTH AND SAFETY**

Health and Safety sheet available separately.

#### **TECHNICAL SERVICE**

CRC Industries UK Ltd provides a technical support service and maintains a constant programme of research and development. We are able to assist customers with specific product enquiries and requests for technical information.

#### **MISREPRESENTATION ACT 1967                      TRADE DESCRIPTIONS ACT 1968**

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*Created: July 2011  
Version: 2*